20011017.qrp v02_n345.qrl.20011017

Date: Wed, 17 Oct 2001 19:03:08 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2345

QRP-L Digest 2345

Topics covered in this issue include:

  1) [108901] Re: FT-817...more popular !!!
     by Duffer <hduff@ica.net>
  2) [108902] Re: FT-817...more popular !!!
     by Duffer <hduff@ica.net>
  3) [108903] Paddle for Sale
     by Bob Welch <p326@earthlink.net>
  4) [108904] Re: Beams
     by Joel M Denison <hamjoel@juno.com>
  5) [108905] RE: Gas powered radio
     by "AI2Q Alex" <ai2q@adelphia.net>
  6) [108906] Schedule results
     by "Karl F. Larsen" <k5di@zianet.com>
  7) [108907] Re: CW Abbreviations
     by "bam yb0ko/1 SOETRISNO" <unclebam@indosat.net.id>
  8) [108908] Use for Memories
     by "James R. Duffey" <jamesd1@flash.net>
  9) [108909] Re: Use for Memories
     by "Karl F. Larsen" <k5di@zianet.com>
 10) [108910] What is Pico-21 QRP xcvr?..see page 19 of Nov 2001 QST
     by jmbrown@edge.net (JERRY BROWN)
 11) [108911] QSYer with IC 706?
     by Ed Kessler <edkess@pa.net>
 12) [108912] Re: What is Pico-21 QRP xcvr?..see page 19 of Nov 2001 QST
     by "Robert Friess" <rfriess@attglobal.net>
 13) [108913] Re: Jim Cates, QRP Icon to speak at Pacificon
     by "Mark M." <markem@cervnet.com>
 14) [108914] Re: FOX Hunt begins *SOON* :-)
     by Bill Stietenroth <k5zty@juno.com>
 15) [108915] Re: Gas-powered radio
     by "Gary Lee Phillips" <ka9nzi@arrl.net>
 16) [108916] Re: NUMBER 100 !!!!! ..... EX2X ..... 700 MW !!!!!!!!!!
     by "Adrian Weiss" <aweiss@usd.edu>
 17) [108917] DSP in FT1000MP & Index QRP+
     by "Adrian Weiss" <aweiss@usd.edu>
 18) [108918] YouNg at heart...
     by "N7SG K7FD" <k7fd@hotmail.com>
 19) [108919] No Power Radio

by John R Kirby <n3aaz-qrp@juno.com>
20) [108920] Re: Schedule results
by "John Dorson" <jdorson@Worldshare.net>
21) [108921] Re: Gas-powered radio
by "Leon Heller" <leon_heller@hotmail.com>
22) [108922] Re: Schedule results
by "Karl F. Larsen" <k5di@zianet.com>
23) [108923] Re: Gas-powered radio
by "Mike Yetsko" <myetsko@insydesw.com>
24) [108924] On-line Samuel F.B. Morse Papers, reposted from the CW reflector
by "Rod Cerkoney, N0RC" <rod@n0rc.com>
25) [108925] Re: DSP in FT1000MP & Index QRP+
by "Mark J. Dulcey" <mark@buttery.org>
26) [108926] Re: Tell Me I should not buy an FT-817
by "Mike Yetsko" <myetsko@insydesw.com>
27) [108927] Re: Gas-powered radio
by "Randy Randall" <RANDALLR@Healthall.com>
28) [108928] Re: Schedule results
by "ss lyon" <sslyon@megalink.net>
29) [108929] OT: Dr. Tom's Printed Circuit Board Primer
by "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
30) [108930] OPERATING - PSK31 & Warbler
by Jim Giammanco <giamman@rouge.phys.lsu.edu>
31) [108931] Results last night New England QRP SSB NET
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
32) [108932] Re: Gas powered radio
by Bruce Muscolino <w6toy@erols.com>
33) [108933] Re: QRP/QRPp Antennas
by Bruce Muscolino <w6toy@erols.com>
34) [108934] Final Winter Cub Fox Roster
by "Karl F. Larsen" <k5di@zianet.com>
35) [108935] RE: YouNg at heart...
by russn7dw@cs.com
36) [108936] RE: OPERATING - PSK31 & Warbler
by George Heron <gheron@safenet-inc.com>
37) [108937] For Sale
by w2xn@netzero.net
38) [108938] gas power
by anthony@pacinfosb.com
39) [108939] For Sale
by w2xn@netzero.net
40) [108940] MP-1 tripod and wind
by "Mike WA8BXN" <hubby2k@hotmail.com>
41) [108941] RE: Results last night New England QRP SSB NET
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
42) [108942] OT: Altoids on sale
by Donald E Sanders <w4bws@juno.com>
43) [108943] 144 MHz QRP SSB

    by "Karl F. Larsen" <k5di@zianet.com>
 44) [108944] ZM-2 Construction
    by KF4YYD@aol.com
 45) [108945] The Club Sandwich Project
    by Monty N5FC <n5fc@io.com>
 46) [108946] Re: MP-1 tripod and wind
    by Bruce Muscolino <w6toy@erols.com>
 47) [108947] One Page Article Issue for QRPp Responses
    by "Doug Hendricks" <ki6ds@dph.dpol.net>
 48) [108948] IC Pinouts
    by Royce Simmons <w2rbn@prodigy.net>
 49) [108949] St. Louis Vertical coil wanted
    by "Scott Fike" <kc0bus@hotmail.com>
 50) [108950] Wanted: Small Paddle
    by "Brice D. Hornback" <bdh@cyberbound.net>

Date: Tue, 16 Oct 2001 20:22:22 -0400
From: Duffer <hduff@ica.net>
To: qrp-l@lehigh.edu
Subject: [108901] Re: FT-817...more popular !!!
Message-ID: <3BCCCF3E.570549C2@ica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Interesting how things work over in the K1, K2 camp...reminds me of a
competitor of ours.
Do you also secretly work for Bin Laden as a propaganda monger ?   :)

72 de Hugh Va3tO

Date: Mon, 15 Oct 2001 20:17:29 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: fxtech@earthlink.net, qrp-l@Lehigh.EDU
Subject: [108850] Re: FT-817...more popular !!!
Message-ID: <F127e5lQkYW1g6RqNTJ000072c0@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

:) Good post, Trev...made me chuckle!

And I will admit, it is a little novel when you work someone on the qrp
freqs nowadays NOT running a K2 or K1, ;)

73 John K7FD, secretly owned a Yaesu once back in the 80's...

Date: Tue, 16 Oct 2001 20:22:05 -0400
From: Duffer <hduff@ica.net>
To: qrp-l@lehigh.edu
Subject: [108902] Re: FT-817...more popular !!!
Message-ID: <3BCCCF2C.63AA90DA@ica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Oh...I just hit a nerve with a K2 owner...or are you just another "them"
basher ?

72 de Hugh VA3TO

Date: Mon, 15 Oct 2001 19:25:03 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [108847] Re: FT-817...more popular !!!
Message-ID: <F204zD2FVBqOi2kIsfk000071ca@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: Duffer <hduff@ica.net>

>I see the "them against us" was has started up up again.
>Compromise or not...sales speak louder than words. The FT-817 seems to
be
>quite a bit more popular.

Pet Rocks were popular, too. A fool and his money are soon parted!

73 John K7FD

Date: Tue, 16 Oct 2001 17:22:08 -0700
From: Bob Welch <p326@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [108903] Paddle for Sale
Message-ID: <3BCCCF2F.CCD6EDBF@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Vibroplex Code Warrior Jr. for sale includes cable and plug.Base is 21/2
" by 3",It has a Black powder coated base,clear paddles and magnetic
action- no springs.

Go to http://www.vibroplex.com/ to see one

New $99.95 will sell for $70+$5 shipping in CONUS. Perfect for home
station and QRP.

Please contact me direct
Thanks,
Bob,W8MCJ

Date: Tue, 16 Oct 2001 19:36:39 -0400
From: Joel M Denison <hamjoel@juno.com>
To: jliving2001@yahoo.com, qrp-l@lehigh.EDU
Subject: [108904] Re: Beams
Message-ID: <20011016.205212.-16472799.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Joe this is joel
        HI i've been using twin lead, as in tv twin lead 300 ohm and wire
beams for a few years now... works great.... gives a person a bit meaux
flexibility.... back in the days of my icom I used to run up to 100 watts
with the tuner in line and had no problems getting the ant to load and
making contacts...course one u start messing with the wire beams...
milliwatting becomes something to look at a bit meaux seruiously....
        gud luck
it can and is being successfully done...
ke1la joel
in maine

On Tue, 16 Oct 2001 11:45:20 -0700 (PDT) joe living
<jliving2001@yahoo.com> writes:
> Hello Gang
>

>
>   I just read the article in Nov QST on a
> wire beam. Any thoughts on feeding one with ladder
> line?
>
>   Joe W3GW
>
> ____
> Do You Yahoo!?
> Make a great connection at Yahoo! Personals.
> http://personals.yahoo.com
>

____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/web/.

Date: Tue, 16 Oct 2001 20:59:15 -0400
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <w0av@juno.com>,
        "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [108905] RE: Gas powered radio
Message-ID: <000001c156a6$f1ab9bc0$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Check out http://www.chipcenter.com/TestandMeasurement/prod068.html for some
notes on thermocouple power sources.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687   .-.-.

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
George Franklin
Sent: Tuesday, October 16, 2001 5:39 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Gas powered radio

Hi Bruce et al,

Old Tom Edison tried to generate electricity by wrapping many turns of
wire around a pot-bellied stove.

It was one of very few of his inventions that never came to fruition.

Apparently the Russians succeeded with their stove-top generator, ie.
converting heat directly to electricity.

A tiny fuel cell for laptops would surely be a great gadget for the
field-day crowd, of which I am one.
Let's hope that the price is not too astronomical.

72/73/74 de George/W0AV
SOC#101
COG (Certified Old Geezer) #1
Hamming Since 1935
(Nope: I didn't know old Tom Edison)

Date: Tue, 16 Oct 2001 19:12:33 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [108906] Schedule results
Message-ID: <Pine.LNX.4.33.0110161900060.3246-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I had a sked with WF5A for an hour ago. I called him several times on 21.060 and I was called by Ron, N1ZSW who is also using a Yaseu FT-817 and lives in MA. So for sure there was propagation between us. So as planned at 10 minutes after I went to 14.060 and called him again. No luck but I was called by Herb, AA1MY in Maine and he said I was 559 so again it looks like WF5A and I should have got together.

At 30 minutes after I have a sked with KC5EVR/M in MO. I just dialed up 14.325 and grabbed the mike and called him QRP. He came right back and told me about there day and the fun they are having riding bikes on the rivers. We chatted for 15 minutes and Richard said he and wife needed to go eat. So I said 73 and told him I was QRP. He didn't believe it!

I have never enjoyed a radio more than this FT-817. It's just a wonderful device that works in EVERY mode better than you expect. The people who complain about small buttons on the radio are not real. I am a football player in high school and college, 6'4" 240 pounds and have HUGE hands. I have zero trouble with the FT-817.

--

Yours Truly,

      - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
                    http://www.qsl.net/k5di/

Date: Tue, 16 Oct 2001 21:22:20 +0700
From: "bam yb0ko/1 SOETRISNO" <unclebam@indosat.net.id>
To: <tomrscott@sterlink.net>
Cc: "qrp-l" <qrp-l@lehigh.edu>, "ybqrp" <ybqrp@yahoogroups.com>
Subject: [108907] Re: CW Abbreviations
Message-ID: <002001c156a9$153151a0$9e429bca@kutuimut>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

DR tom, kd7dmh

TNX FER the CW ABBN list.
i must admit that some ABBN are really new to me
(e.g. all those starting with K : K out of the, KD kind, KGNS
congratulations,
KMN communication, KP keep, KPPG cooperating, KU continue, KW know),
while on the other side i missed some of the "standard" ABBN that i know of
for
quite some time (got it from either ARRL Handbook, other publications or my
elmers)
which might raise confusion, a.o. :

ABN   =   all between (to be used in e.g. PSE RPT ABN ..... ES .....)
BCUZ i.s.o. (instead of) BC in your list
CCT or CKT for circuit
CUD   =   could
SUD   =   should (i.so. SD)
WUD   =   would
SKED   =   schedule
CN, CNT = can, can not
YF or WF   =   wife (my elmer always told me to use YF instead of XYL,
                          which in fact is an antonym of OM)
TDA i.s.o. TDY
TX for me is TRANSMITTER (and always use DE for "this is" i.s.o. TX),
RX = receiver i.s.o. RCR,
also i still heard people using GA (go ahead) i.s.o. K in expressing OVER
or to end a sentence.

etc., etc. ....

although i'm not so active in cw (i'm a LID who never passed 12 wpm, HI !), in my daily life i'm used
to use these ABBN e.g. in jotting down in my diary, in drafting letters or my articles (BTW
i wrote a lot as part of my profession and "killing time" activities).
in the internet era i found it's also handy to use these "standard" ABBN in correspondences
(posting, chatting) with colleagues, fellow hams and (last but not least) my kids.
i even pushed and urged my past secretaries (i've retired so i hv no secretary now) to be familiar with
this style of abbreviating which is beneficial for them (at least to read my note, memo or drafts!)
at this very moment, i believe my "vocabulary" on this CW ABBN is mucho mucho better than
my "understanding" on that internet style of ABBN (like BTW, IMHO, TIA etc.), so i'd take this opportunity
to appeal fellow hams to be "back to basic" : use this standard ABBN in our posting thru this mailing list !
(understand most of the list members are some sorts of CW buffs, isn't it?)

73, de bam yb0ko/1

----- Original Message -----
From: Tom Scott <tomrscott@sterlink.net>
Sent: Sunday, October 14, 2001 12:21 PM
Subject: CW Abbreviations

Here's the second batch. Already sent it to about a dozen folks...
Enjoy!
73!   &   76!
Tom Scott, KD7DMH
<<
<<
BTW, WT is 76 ? (i might miss some criss-cross of postings in the past few weeks so i missed this "special" ABBN ....)

TIA FER RPY, HI !

Date: Tue, 16 Oct 2001 19:20:03 -0600
From: "James R. Duffey" <jamesd1@flash.net>

To: <qrp-l@lehigh.edu>
Subject: [108908] Use for Memories
Message-ID: <B7F238E2.E2E1%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

In my tirade last night I omitted one very insightful use for the multitude
of memories in modern rigs.

I have the NCDXF beacons in sequential memories. That is 14.100, 18.110,
21.150. 24.9xx, and 28.200. The beacons broadcast on a schedule that has
them moving from one band to another. So when the beacon is done on 20 M it
moves to 17 M , then to 15 M , 12 M and finally 10 M. By starting on 20 M,
and switching bands sequentially when they stop transmitting one can easily
get a rough idea of the MUF. - Dr, Megacycle KK6MC/5 "Radio Green Chile"
--
James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Tue, 16 Oct 2001 19:33:53 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "James R. Duffey" <jamesd1@flash.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [108909] Re: Use for Memories
Message-ID: <Pine.LNX.4.33.0110161930130.3280-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

James those beacons are the SINGLE best way to gage band conditions. I
have them in my Yaseu FT-817 in sequence as you do and when I hear the UN
beacon I know the band is good to the East coast, no matter what the solar
numbers say! If you hear 4UN1UN and all three power levels you know the
band is open to QRP 100 MW stations!

On Tue, 16 Oct 2001, James R. Duffey wrote:

> In my tirade last night I omitted one very insightful use for the multitude
> of memories in modern rigs.
>
> I have the NCDXF beacons in sequential memories. That is 14.100, 18.110,
> 21.150. 24.9xx, and 28.200. The beacons broadcast on a schedule that has
> them moving from one band to another. So when the beacon is done on 20 M it

> moves to 17 M , then to 15 M , 12 M and finally 10 M. By starting on 20 M,
> and switching bands sequentially when they stop transmitting one can easily
> get a rough idea of the MUF. - Dr, Megacycle KK6MC/5 "Radio Green Chile"
>

--
Yours Truly,

      - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
                     http://www.qsl.net/k5di/

Date: Tue, 16 Oct 2001 20:36:59 -0500
From: jmbrown@edge.net (JERRY BROWN)
To: <qrp-l@Lehigh.EDU>
Subject: [108910] What is Pico-21 QRP xcvr?..see page 19 of Nov 2001 QST
Message-ID: <000301c156ac$3ba1aee0$1f5115d0@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What is the Pico-21 QRP xcvr being used on 15 mtr. SSB
bicycle mobile by the YL, 7N4DEV, pictured on page 19 of
Nov 2001 QST?

Tnx,

Jerry N4EO
Columbia, TN

Date: Tue, 16 Oct 2001 21:47:09 -0400
From: Ed Kessler <edkess@pa.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [108911] QSYer with IC 706?
Message-ID: <5.0.2.1.0.20011016214539.00a23640@mail.pa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I just picked up a QSYer designed for the IC 706. However there was no
manual with it. Does anyone have the instructions on how to set up the rig
to work with the QSYer? Any help would be appreciated.

Thanks,
Ed AA3SJ

Date: Tue, 16 Oct 2001 18:54:38 -0700
From: "Robert Friess" <rfriess@attglobal.net>
To: <jmbrown@edge.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [108912] Re: What is Pico-21 QRP xcvr?..see page 19 of Nov 2001 QST
Message-ID: <014101c156ae$b29e46a0$6501a8c0@1GHzPentiumIII>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A Goggle search produced:

http://ocean.kz.tsukuba.ac.jp/~jh3gbd/cw/hobbieng.htm

Bob, N6CM

----- Original Message -----
From: "JERRY BROWN" <jmbrown@edge.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, October 16, 2001 6:36 PM
Subject: What is Pico-21 QRP xcvr?..see page 19 of Nov 2001 QST

> What is the Pico-21 QRP xcvr being used on 15 mtr. SSB
> bicycle mobile by the YL, 7N4DEV, pictured on page 19 of
> Nov 2001 QST?
>
> Tnx,
>
> Jerry N4EO
> Columbia, TN
>

Date: Tue, 16 Oct 2001 19:32:14
From: "Mark M." <markem@cervnet.com>
To: qrp-l@Lehigh.EDU
Subject: [108913] Re: Jim Cates, QRP Icon to speak at Pacificon

Message-ID: <3.0.6.32.20011016193214.00b05ef8@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

A few months ago I was clearing out a closet and ran across a small shipping box whose address label reminded me of probably my most pleasant ham radio trading experience. It was 9 or 10 years ago when I had gotten back into ham radio after a long absence. I was in the market for some paddles for a keyer I had just built and ran across an ad on the local packet board from a guy who had a couple Benchers for sale. I sent him back a note that I was interested and asking if he still had them. I didn't receive any response for a few days and decided they must have been sold...oh well. A couple days later when returning home from work I found the aforementioned box by the front door, courtesy of UPS, with a shiny new Bencher paddle carefully packed in it. There was also a note from the seller saying he hoped I didn't mind a brand new paddle and to try them it and if I liked it please send him a check. I guess he had looked up my address in the callbook and just sent it along. I was astounded that someone would just send something without seeing the money first. What a guy! The return address on the box was now familiar...you've probably guessed by now that it was from none other than Jim Cates. Of course, I didn't know who Jim was at the time and I didn't realize it was him until I saw the box again. I've since met Jim at Tuthill and of course sent him a few checks for NorCal goodies over the past several years.

Anyway...a true story. I doubt Jim remembers it but I haven't forgotten. It was nice to be able to put the name with the person.

73... Mark AA7TA

PS...Yes, I did send Jim a check for the Bencher.... :-)

Date: Tue, 16 Oct 2001 19:53:12 -0500
From: Bill Stietenroth <k5zty@juno.com>
To: 70511.3041@compuserve.com
Cc: qrp-l@Lehigh.EDU
Subject: [108914] Re: FOX Hunt begins *SOON* :-)
Message-ID: <20011016.215947.-3877189.0.k5zty@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Notice to the "Committee" (Doc, Bruce, Marshall, Chuck et. all)

Here you are starting a new year of fox hunting and you haven't finished

last year's
business. There was a plaque to be awarded to the hunter that worked all
of the
foxes last season. It has not been awarded yet. Bruce Meier, N1LN,
worked every
fox last year and has yet to receive his plaque, or even an
ackowledgement that
he won it.
I remember the "Committee" making comments earlier this summer about some

of the off season fox hunts making promises and not fulfilling them.
It's time for
the "Committee" to fulfill it's promise and finish up last year's
business before you
start up another season. Send Bruce his plaque.

Bill, K5ZTY
Houston, TX

Date: Tue, 16 Oct 2001 22:01:28 -0500
From: "Gary Lee Phillips" <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [108915] Re: Gas-powered radio
Message-ID: <200110170301.XAA10781@blount.mail.mindspring.net>

I'm quite sure I read an article recently about this, and had to look
twice to be sure it wasn't an April fools issue. A British company, I
believe it was, actually built gas powered receivers in the 1920s or
1930s. It was supposedly an attempt to take away radio as an
incentive for having one's house wired for electricity, and thus keep
the gas company happy. These were not transmitters, just AM BC
band receivers, and apparently were powered by a small pilot light
type flame that was just kept lit at all times. The article had some
explanation of the technical details.

Reasonable as the idea may have seemed at the time, it didn't
catch on, obviously.

-- Gary Phillips, Marengo, IL mailto:ka9nzi@arrl.net
   KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
   QRP-L #2124   http://www.qsl.net/ka9nzi/

Date: Wed, 17 Oct 2001 06:36:12 GMT
From: "Adrian Weiss" <aweiss@usd.edu>

To: qrp-l@Lehigh.EDU
Subject: [108916] Re: NUMBER 100 !!!!! ..... EX2X ..... 700 MW !!!!!!!!!!
Message-ID: <GLC27Z03.I9P@mail.usd.edu>

Hey George -- GREAT JOB! Everyone stand up and do a happy dance for George!!

72, Ade

Date: Wed, 17 Oct 2001 06:52:58 GMT
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-l@Lehigh.EDU
Subject: [108917] DSP in FT1000MP & Index QRP+
Message-ID: <GLC2ZW01.99F@mail.usd.edu>

Hi gang:

A while back, a thread dealt with the inadequacy of the DSP insertion point in the Index QRP+ and ++ etc. Seems that I and others nailed Index Labs somewhat unfairly -- not that a serious problem was built into the rig, but in as much as that
appears othave been state of the art at the time. This was made clear to me when I stumbled across this sidebar statement in the QST review of the FT1000MP. It exactly describes the problem in the QRP+.

"The FT1000MP's use of the DSP for receiving suffers from the same limitation as does use of an external DSP filter unit. Namely, the filtering of the DSP unit is performed after the IF filtering and OUTSIDE THE AGC LOOP (QST emphasis).
This means that, while youcan filter an unwanted nearby signal out fo trhe recieve audio,
you can't keep that signal from affecting the AGC response ofthe receiver or, in the case of strong signals, from causing blocking or IMD generation in the IF. So, the DSP filter alone is not a cure-all interfernce rejection technique."

I just thought I'd share this with all. At least the QRP+ was only a fraction of the
cost of the FT1000MP. Imagine shelling out ??$3000?? and getting the same results!

72, Ade

Date: Wed, 17 Oct 2001 01:10:43 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: elecraft@qth.net
Cc: qrp-l@Lehigh.EDU

Subject: [108918] YouNg at heart...
Message-ID: <F177EevxcVeuuLt3StB000089b1@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I just stumbled into the kitchen for a midnight snack and decided to fire up
the K2. Lo and behold, I hear a dandy CQ on 7.041MHz from Ted K6YN...

...after a few exchanges, I find out this young man is owner of K2 number
502! BTW, I'm sure he was amused to find this whippersnapper was only half
his age - I discovered Ted was born in 1905; truly young at heart!

What a hobby!

73 John K7FD, K2 nr 586

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

---

Date: Wed, 17 Oct 2001 07:17:07 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [108919] No Power Radio
Message-ID: <20011017.072323.-135067.1.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Should provide enough 'volume' to power a QRPp transmitter
using a technique like this . . .

Remember how you used to attach a metal can top
to your bicycle such that when pressed against the spokes
made all that noise?

http://www.intio.or.jp/jf10zl/PLTX.htm

THEN take a deep breath and GO HERE and take a pqqk ! ! !

http://www.intio.or.jp/jf10zl/

WOW ! ! !

John
N3AAZ
FM 19 xa

_____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
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http://dl.www.juno.com/get/web/.

Date: Wed, 17 Oct 2001 06:51:39 -0400
From: "John Dorson" <jdorson@Worldshare.net>
To: <k5di@zianet.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [108920] Re: Schedule results
Message-ID: <001b01c156f9$b766d620$2b609c40@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Karl, you seemed to work out very well with your 817. How about telling
the folks your ant. set-up.

I am one of those who live in a restricted area so can only use attic for
ant, which I have a 40-10 meter G5RV.

Thanks.

John K2JHU...
----- Original Message -----
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, October 16, 2001 9:12 PM
Subject: Schedule results

>
> I had a sked with WF5A for an hour ago. I called him several times
> on 21.060 and I was called by Ron, N1ZSW who is also using a Yaseu FT-817
> and lives in MA. So for sure there was propagation between us. So as

> planned at 10 minutes after I went to 14.060 and called him again. No luck
> but I was called by Herb, AA1MY in Maine and he said I was 559 so again it
> looks like WF5A and I should have got together.
>
> At 30 minutes after I have a sked with KC5EVR/M in MO. I just
> dialed up 14.325 and grabbed the mike and called him QRP. He came right
> back and told me about there day and the fun they are having riding bikes
> on the rivers. We chatted for 15 minutes and Richard said he and wife
> needed to go eat. So I said 73 and told him I was QRP. He didn't believe
> it!
>
> I have never enjoyed a radio more than this FT-817. It's just a
> wonderful device that works in EVERY mode better than you expect. The
> people who complain about small buttons on the radio are not real. I am a
> football player in high school and college, 6'4" 240 pounds and have HUGE
> hands. I have zero trouble with the FT-817.
>
> --
> Yours Truly,
>
>   - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>   http://www.qsl.net/k5di/
>

Date: Wed, 17 Oct 2001 11:03:51 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: ka9nzi@arrl.net, qrp-l@Lehigh.EDU
Subject: [108921] Re: Gas-powered radio
Message-ID: <F9854z3r5vzfHsmyBWD000057d1@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Someone developed a "gas-powered" loudspeaker a long time ago. It was called
the Ionophone, and used an electric field to influence the movement of a
flame; flames contain lots of ionised gas. It never caught on, presumably
because of the fire risk.

73, Leon
--
Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: http://www.leonheller.com

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

---

Date: Wed, 17 Oct 2001 05:20:22 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: John Dorson <jdorson@Worldshare.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [108922] Re: Schedule results
Message-ID: <Pine.LNX.4.33.0110170516270.1285-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi John, At least part of my success is due to my antenna. I have an old but very good High Gain TH6XX 6 element beam on a 26 foot mast. There are 3 on 20, 5 on 15 and 5 on 10 meters elements active. So the gain goes up fast as you move up in frequency. The beam is 60 feet high. It was pointed due East.

On Wed, 17 Oct 2001, John Dorson wrote:

> Hey Karl, you seemed to work out very well with your 817. How about telling
> the folks your ant. set-up.
>
> I am one of those who live in a restricted area so can only use attic for
> ant, which I have a 40-10 meter G5RV.
>
> Thanks.
>
> John K2JHU...
> ----- Original Message -----
> From: "Karl F. Larsen" <k5di@zianet.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Tuesday, October 16, 2001 9:12 PM
> Subject: Schedule results
>
>
> >
> > I had a sked with WF5A for an hour ago. I called him several times
> > on 21.060 and I was called by Ron, N1ZSW who is also using a Yaseu FT-817
> > and lives in MA. So for sure there was propagation between us. So as
> > planned at 10 minutes after I went to 14.060 and called him again. No luck
> > but I was called by Herb, AA1MY in Maine and he said I was 559 so again it
> > looks like WF5A and I should have got together.

> >
> > At 30 minutes after I have a sked with KC5EVR/M in MO. I just
> > dialed up 14.325 and grabbed the mike and called him QRP. He came right
> > back and told me about there day and the fun they are having riding bikes
> > on the rivers. We chatted for 15 minutes and Richard said he and wife
> > needed to go eat. So I said 73 and told him I was QRP. He didn't believe
> > it!
> >
> > I have never enjoyed a radio more than this FT-817. It's just a
> > wonderful device that works in EVERY mode better than you expect. The
> > people who complain about small buttons on the radio are not real. I am a
> > football player in high school and college, 6'4" 240 pounds and have HUGE
> > hands. I have zero trouble with the FT-817.
> >
> > --
> > Yours Truly,
> >
> >   - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> >   http://www.qsl.net/k5di/
> >
>
>

--
Yours Truly,

      - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
                          http://www.qsl.net/k5di/

Date: Wed, 17 Oct 2001 08:38:14 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <leon_heller@hotmail.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [108923] Re: Gas-powered radio
Message-ID: <00c201c15708$a118da80$6501a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ohm speakers had something like this in the 60's, I think called the
'flame' which used a gas flame with grids in it. Supposedly sounded
very good, but VERY low volume, and not full range.

Mike

> Someone developed a "gas-powered" loudspeaker a long time ago. It was
called
> the Ionophone, and used an electric field to influence the movement of
a
> flame; flames contain lots of ionised gas. It never caught on,
presumably
> because of the fire risk.
>
> 73, Leon

Date: Wed, 17 Oct 2001 06:44:29 -0600
From: "Rod Cerkoney, N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [108924] On-line Samuel F.B. Morse Papers, reposted from the CW reflector
Message-ID: <003801c15709$76ed2620$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Subject: [CW] [Fwd: Announcement of the Addition of the Samuel Morse
Papers to American Memory]

The National Digital Library Program of the Library of Congress and
the Manuscript Division announce the release of the online collection
of the Samuel F.B. Morse Papers available at the American Memory Web
site at <http://memory.loc.gov/ammem/sfbmhtml/>

Through the generous support of the AT&T Foundation, a selection of
6,500 library items, or approximately 50,000 digital images from the
collection is now available. The Morse Papers consist of
correspondence, letterbooks, diaries, drawings, clippings, printed
matter, maps, and other miscellaneous materials documenting Morse's
invention of the electromagnetic telegraph and his participation in
the development of telegraph systems in the United States and abroad,
as well as his career as a painter, family life, travels, and interest
in early photography and religion. The online collection, dating from
1793-1919, offers a well-rounded portrayal of the life of Samuel F.B.
Morse.

Morse was born in Charlestown, Massachusetts, on April 27, 1791. He was a graduate of Yale and trained as an artist at the Royal Academy of Arts in London, England. Morse showed great promise and was well-respected as a painter; he tried to earn a living painting portraits but found little financial success. It was on his sea voyage home from studying art in Europe in 1832 that Morse first conceived the idea of the electromagnetic telegraph. For twelve years, he worked on and off to gather enough knowledge and experience to build his telegraph. In 1843, Congress appropriated $30,000 for Morse to build an experimental telegraph line from Washington, D.C., to Baltimore, Maryland. On May 24, 1844, he sent his famous message, "What hath God wrought?" from the Supreme Court chamber in the Capitol to the B&O Railroad Depot in Baltimore. That original tape is a major highlight of the collection and one of the treasures of the Library of Congress.

Morse also made a foray into early photography. After meeting the French artist and inventor of the daguerreotype, Louis Jacques Mande Daguerre, while in Paris in 1838, Morse returned home to be among the first to practice photography in America. He even taught the daguerreotype process to a number of students, including Mathew Brady.

The collection also includes sketches relating to the telegraph, art, and places Morse visited in Europe, as well as correspondence from many nineteenth-century American artists and historical figures such as James Fenimore Cooper, Thomas Cole, the Marquis de Lafayette, William Henry Seward, Roger Brooke Taney, Mathew Brady, and Eli Whitney.

American Memory is a gateway to rich primary source materials relating to the history and culture of the United States. The site offers more than 7 million digital items from more than 100 historical collections.

Please direct any questions to NDLPCOLL@loc.gov

73, Rod N0RC
Ft Collins, CO

Date: Wed, 17 Oct 2001 09:41:47 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: aweiss@usd.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [108925] Re: DSP in FT1000MP & Index QRP+
Message-ID: <3BCD8A9B.4050902@buttery.org>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Adrian Weiss wrote:

>
> "The FT1000MP's use of the DSP for receiving suffers from the same limitation as
> does use of an external DSP filter unit. Namely, the filtering of the DSP unit
is
> performed after the IF filtering and OUTSIDE THE AGC LOOP (QST emphasis).
> This means that, while youcan filter an unwanted nearby signal out fo trhe
recieve audio,
> you can't keep that signal from affecting the AGC response ofthe receiver or, in
> the case of strong signals, from causing blocking or IMD generation in the IF.
So,
> the DSP filter alone is not a cure-all interfernce rejection technique."
>
> I just thought I'd share this with all. At least the QRP+ was only a fraction of
the
> cost of the FT1000MP. Imagine shelling out ??$3000?? and getting the same
> results!

On the other hand, the FT1000MP has full state-of-the-art crystal
filters at both the second and third IFs, so the DSP is just icing on
the cake. True, IF DSP would be better still, but the FT1000MP is a fine
radio nonetheless (as it should be for $3K).

Date: Wed, 17 Oct 2001 10:03:47 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <sjolin@swbell.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [108926] Re: Tell Me I should not buy an FT-817
Message-ID: <002701c15714$8cd02c20$6501a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Dave Sjolin wrote:
> >
> > Mike Yetsko wrote:
> > >
> > > So, how many people with the 817 have a good feel for how the 2M
> > > SSB works? I know it's going to be a tight fit with the knobs and

> > > all, but I mean functionally, not ergonomically.
> >
> > Mike, if you are worried about tuning on two meter ssb, dont worry. In
> > most parts of the country, well at least here in fly over country, you
> > would be hard pressed to find much two meter activity, ssb or cw, on any
> > frequency other than the calling frequency (144.2).
>
> Guess I read too fast. Operationally I think it should work fine as long
> as you have a good antenna or are located at good height. I can work
> stations 200 miles away just about daily with 170 watts to an eggbeater
> (0 gain) antenna up 15 feet. If you had a 10-12 db gain antenna at 30 or
> 40 feet, you would have nearly as much erp as I but be able to receive
> much better, at least when you are aimed at the target. I would think
> the 5 watts would probably drive an amp to maybe 50 watts, increasing
> your erp even more.
>
> 73 de Dave, N0IT

I have an old Mirage amp for SSB I can put into service. I bought it YEARS ago, about 1983 I think, to use with my 2M SSB transverter I built that only had 3W PEP output. But never used it. Well, I did, but not until about 1987 or so when I was using it with an old Kenwood HT to give me about 20W on 2M. But I left it hooked up for about 2 years and didn't touch it (while I was on to other things.) Eventually got back to it and discovered the transistor was popped. I think maybe a lightning storm in the area got it sometime in the previous 2 years. Funny, as my PRO-2001 scanner, a 220 HT, and a 2m mobile was left attached all that time as well, and none of them had a problem. Then again, maybe it was just coincidence.

I still have the Mirage, and I bought a replacement transistor, which is still in the plastic bag inside the thing for the day I finally get an urge to take it apart and fix it. I'm not sure now, but I think the amp is a Mirage B23, and if I recall, hitting it with 3W PEP should probably give me about 25W PEP out.

There should be a decent amount of 2M SSB activity around. Even if I have to generate it. I mean that I know a few people that 'commute'

with 2M in their cars for example, but they are 'all mode' rigs, so I should be able to convince them to come on over to SSB for a bit.

But where I plan on using the thing, if I finally get one, would be on mountain tops. And I figure from up there... Probably the first place I'll use it will be Wachusett Mountain. From there I can SEE NY, VT, NH, RI, and CT. I've worked Boston repeaters from my HT on 1W from up there, and even worked simplex to hikers on Monadnock up in NH with FRS from there.

Other places that are DEFINITELY on the list are Mt Snow and Bromley. Mt Snow has a good shot over a lot of MASS from it's summit (I can SEE Wachusett from up there) but there may be other terrain issues. Bromley I don't expect too much from, as while it's a great elevation, it's too tucked in with other mountains.

Wachusett is pretty much freestanding when it comes to nearby impediments. Monadnock is even better, but they don't ski there!

Hmm, maybe I should ask... If you use the 817 as a 'portable' rig, what antennas are people using? I DID find someone that told me knew a guy loading up ski poles! But I figure to 2M I'd just use a Kulrod or something. At least for early playing. It might attract too much attention if I take off my skis and start rigging a web between them stuck in the snow...

Mike

Date: Wed, 17 Oct 2001 10:11:53 -0500
From: "Randy Randall" <RANDALLR@Healthall.com>
To: <leon_heller@hotmail.com>, <qrp-l@Lehigh.EDU>
Subject: [108927] Re: Gas-powered radio
Message-ID: <sbcd5977.091@healthall.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

Hello. I had two of these and mine were made by Dukane. (Same people =
who made PA equipment and school AV equipment.) They were called =
Ionovac and used this system for the tweeters only. They used a 27 MHz =
osc. and coupled this to a quartz arc tube. (The arc tube needed to be =
replaced every 1000 hous or so.) They AM modulated the osc. which in =

turn modulated the plasma arc. These were some of the best sounding =
tweeters that were ever made. They were true massless tweeters and are =
much sought after and collectable today.   I sold mine for $1150.00 and =
the condition was less than perfect.

Randy KB8ASO

=20

Randy E. Randall
Network Engineer
The Health Alliance of Greater Cincinnati
Phone 513-585-7146
Fax 513-585-7159

>>> "Leon Heller" <leon_heller@hotmail.com> 10/17/01 06:03AM >>>
Someone developed a "gas-powered" loudspeaker a long time ago. It was =
called=20
the Ionophone, and used an electric field to influence the movement of =
a=20
flame; flames contain lots of ionised gas. It never caught on, presumably=
=20
because of the fire risk.

73, Leon
--
Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com=20
My web page: http://www.geocities.com/leon_heller=20
My low-cost Altera Flex design kit: http://www.leonheller.com=20

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp=
=20

Date: Wed, 17 Oct 2001 10:15:17 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <k5di@zianet.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [108928] Re: Schedule results
Message-ID: <003901c15716$261b39a0$038798ce@megalink.net>

MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I heard you on 15m at 5/7/9 but not a peep from WF5A. Could tell Ron was there but that's all one could expect at that skip distance. Band was really quiet with few stns, but great sigs. Didn't have time to tune up before you QSY'd to 20m, where we hooked up. Still no WF5A.

I was using a '706 @ 5W to an Eighty Eight @ 60', beaming your way. Really like this kind of propagation & performance checking.
73
AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm
----- Original Message -----

Date: Wed, 17 Oct 2001 09:26:08 -0500
From: "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Cc: "'Faithd@tds.net'" <Faithd@tds.net>
Subject: [108929] OT: Dr. Tom's Printed Circuit Board Primer
Message-ID: <E90EEF51A894D411963F0006298F2BF701D27A73@PRODMLIN04>
MIME-Version: 1.0
Content-Type: text/plain

Just came across this detailed primer on Circuit Boards
from Dr. Tom Pabst's website (Tom's Hardware). Though
most of the images and details are in regard to computer
circuit boards, this appears to be a good, detailed explaination.

Though many of this group will know many more details than
provided here, this appears to be a good starting point for
understanding multilayer circuit boards.   Enjoy.

http://www6.tomshardware.com/howto/01q3/010810/index.html

73 de N9WR, Don C. Faith III

Date: Wed, 17 Oct 2001 09:54:00 -0500
From: Jim Giammanco <giamman@rouge.phys.lsu.edu>
To: qrp-l@lehigh.edu
Subject: [108930] OPERATING - PSK31 & Warbler
Message-ID: <3BCD9B88.A5C2C498@rouge.phys.lsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Had a marginal QSO last night with an op in the upper peninsula of MI using my Warbler and the low-height 40 meter horizontal loop. No better than 30% copy on either end, but enough to get call, name, QTH, and the fact I was QRP across. That's a pretty good haul from Louisiana on 80 m with 3 watts and a very marginal antenna. So there's optimism that as the winter conditions set in 80 m PSK might be more fun than I thought.

Right after that QSO I heard (saw?) a CQ from an op in Texas City TX. He was at 3579, which is a good 1 kHz too low for the Warbler to get much Tx output. Just as a shot in the dark I answered the CQ - the meter showed well under a watt out, more like 300 mW or so. No QSO ensued, but he did copy my call. I tried to ask him to QSY up to around 3580.4 where I can get the "full warble" of 3 W out, but he apparently was unable to copy that. But even so that's 200 miles or so on 300 mW.

I'll be tuning around and calling some CQs tonight between 3580 and 3581 kHz between 0200 Z and 0400 Z. Give a look (listen?) maybe we'll hook up.

Question - is QPSK any better than BPSK under very weak signal conditions?

72
Jim N5IB

Date: Wed, 17 Oct 2001 10:52:27 -0400
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: neqrp@jonal.net, qrp-l@Lehigh.EDU
Subject: [108931] Results last night New England QRP SSB NET
Message-ID: <OFE9B3B4AC.BFF70B01-ON85256AD3.004D433C@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

The band was great last night with 10 checkins.
Last nights checkins:

WA1OHR Ev Windham,CT IC756@5W Let us know how the NJQRP Islander works out.
K1CWZ Spi Nashua,NH TR7@10W 40m dipole
AA1MY Seab Bethel,ME 706MKII@5W Good luck with new chain saw.
K1SWL Dave Colchester,CT
KC1FB Jim Norwalk,CT FT7@4W Zepp
W1XV Brad Bow,NH K2@4.5W 40M dipole@50' Great sound with Heil mic.
KE4IZH RIck Chesapeke,VT FT817 40' inverted Vee
AL0A Greg Windham,ME Argosy II Hope you find the hum problem
WB2EWU Bob Kennedy,NY K2 Dipole
K1RC John Dracut,MA FT920 Cfeed Zepp

I really enjoyed last night net and it proves to me that it is the operators, not the rigs, that
make QSO's

Thank to all who checked in, those that attempted to check in, and those that listen.
Those that listen but we can't hear, we would appreciate feedback via email on
where our signals can be heard even if you can't checkin. More info for the different
rigs and antennas we are using.

Hear you next week.

Remember NEQRP CW NET Thursday night 8:30PM EDST 3.565Mhz

Ron - N1ZSW

Date: Wed, 17 Oct 2001 11:01:57 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: George Franklin <w0av@juno.com>
Cc: qrp-l@lehigh.edu
Subject: [108932] Re: Gas powered radio
Message-ID: <3BCD9D65.9DDCA4D2@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

George,

Old Tom couldn't have understood much about electricity if all he did was wrap some wire around a stove! He did get hot wire though, I'll bet. The system I saw used a thermocouple heated to very high heat by an internal stove. A thermocouple is more than just wire wrapped around a heater! In any event, what I saw was meant for the military so it met a higher specification than what we would use for ham radio!

73

Date: Wed, 17 Oct 2001 11:18:05 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: qrp-l@lehigh.edu
Subject: [108933] Re: QRP/QRPp Antennas
Message-ID: <3BCDA12D.34AC7735@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, I seem to have hit a positive nerve with my posting. Thanks to all the people who wrote and thanked me for the article.

Antennas are very simple things. Their performance can be great or lousy, usually because of what you did when yo installed them, not because of their design. No one in their right mind would publish a design that would not work, What is most often overlooked is the environment in which they were used originally!

Whatever you put up, do yourself a favor and read up on it first,. See what the varrious authors have dome, what problems they had, and how they installed it! Then string wire!

83

Date: Wed, 17 Oct 2001 09:28:20 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [108934] Final Winter Cub Fox Roster
Message-ID: <Pine.LNX.4.33.0110170927290.7933-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Week	Date	Call	Name	SPC
1	10/30/01	N1TP	Tom	FL
2	11/6/01	KA8MAV	Brice	IN
3	11/13/01	NQ7T	Gary	WA
4	11/20/01	W0IS	Rick	MN
5	11/27/01	KO4WX	Mike	GA
6	12/4/01	KB9YIG	Tony	IN
7	12/11/01	AG0T	Todd	ND
8	12/18/01	N0IT	Dave	MO
9	12/25/01	VE3FAL	Fred	Ont
10	1/1/02	KD5KXF	Mike	TX
11	1/8/02	N1TP	Tom	FL
12	1/16/02	KA8MAV	Brice	IN
13	1/22/02	NQ7T	Gary	WA
14	1/29/02	W0IS	Rick	MN
15	2/5/02	KO4WX	Mike	GA
16	2/12/02	KB9YIG	Tony	IN
17	2/19/02	AG0T	Todd	ND
18	2/26/02	N0IT	Dave	MO
19	3/5/02	VE3FAL	Fred	Ont
20	3/12/02	KD5KXF	Mike	TX

Alternate Foxes:

K5DW	Don	TX	
KI0II	Ron	CO	

kfl 10/17/01

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
http://www.qsl.net/k5di/

Date: Wed, 17 Oct 2001 11:29:37 -0400
From: russn7dw@cs.com
To: k7fd@hotmail.com,
qrp-l@lehigh.edu ("Low Power Amateur Radio Discussion")
Subject: [108935] RE: YouNg at heart...
Message-ID: <4A7927D4.7C0C4A65.00AA9D39@cs.com>

Content-Type: text/plain; charset=iso-8859-1

For those who don't know it: In California, "502" is the police code for drunk driving. ;-)

73,
Russ N7DW

"N7SG K7FD" <k7fd@hotmail.com> wrote:

>I just stumbled into the kitchen for a midnight snack and decided to fire up
>the K2. Lo and behold, I hear a dandy CQ on 7.041MHz from Ted K6YN...
>
>...after a few exchanges, I find out this young man is owner of K2 number
>502! BTW, I'm sure he was amused to find this whippersnapper was only half
>his age - I discovered Ted was born in 1905; truly young at heart!
>
>What a hobby!
>
>73 John K7FD, K2 nr 586
>
>
>
>
>
>____
>Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp
>
>

Date: Wed, 17 Oct 2001 11:41:09 -0400
From: George Heron <gheron@safenet-inc.com>
To: "'giamman@rouge.phys.lsu.edu'" <giamman@rouge.phys.lsu.edu>,
        "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [108936] RE: OPERATING - PSK31 & Warbler
Message-ID: <3E89A18A51CBD411BD1B0002A507C88BE9CC6C@MAX>
MIME-Version: 1.0
Content-Type: text/plain

Simply stated, QPSK offers an improvement in the bit error rate under certain conditions, as compared to the use of the simple BPSK phase reversal encoding method. That is, the error reduction scheme is at times 5 times better than BPSK, resulting in a better copy during fair-to-good receiving conditions. (With poor or weak signal receiving conditions, QPSK actually becomes worse!)

Two factors of QPSK make this possible. One is the use of quadrature transmissions (transmitting at 90-degree phase differences instead of just the 180-degree phase differences of BPSK), which is like having two BPSK transmitters going at the same time on the same frequency. This results in twice the data rate (faster transmissions of characters) but also imposes a 3dB hit to the signal-to-noise level, bringing the signal closer to the noise floor.

The second factor making QPSK different is on the receive side whereby a Viterbi decoder is used to perform "convolutional decoding". Simply stated, this system consists of 32 parallel decoders that "guess" at the condition of the given datastream bit, and a voting systems that makes the ultimate decision of the bit being a 1 or 0. This sounds confusing, and there is a 20 bit time delay imposed due to this voting process but the end result is essentially a better guess at the state of the incoming bit ... and hence a better received datastream.

These two factors - faster, quadrature transmission, and slower Viterbi decoding - offset each other to produce nearly the same effective received data rate on your screen, but with a better percentage of copy quality.

Hopefully the experts will forgive my simplifying statements ... for a more complete and accurate explanation, see the PSK31 Fundamentals web page at http://aintel.bi.ehu.es/psk31theory.html#QPSK.

At any rate, this was a nice diversion from an otherwise crazy day here at the shop :-)

73, George N2APB
  n2apb@amsat.org

==========
[snip]

Question - is QPSK any better than BPSK under very weak signal conditions?

72
Jim N5IB

Date: 17 Oct 2001 12:03:56 -0500
From: w2xn@netzero.net
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [108937] For Sale

Message-ID: <200110171603.f9HG305N027167@rain.CC.Lehigh.EDU>

FOR SALE

Cleaning shack and need to make room for new rig:

Small Wonder Labs DSW-20 $130.00 (plus shipping)
(one of the last production models)
Cosmetically & operationally perfect

Oak Hills Research OHR-100A $175.00 (plus shipping)
Cosmetically perfect, slight drift on transmit
Upgrades: Mouser 10-turn tuning pot &
Wilderness Radio KC1 Keyer/Frequency Counter

Both rigs include construction and operating manuals.

w2xn@arrl.net

_____
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Visit http://qwesteferral.com/r.jsp?a=@8GvJzmlmmVfVU541Lz2HA$$&x

---
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Date: Wed, 17 Oct 2001 09:06:52 -0800
From: anthony@pacinfosb.com
To: qrp-l@lehigh.edu
Subject: [108938] gas power
Message-ID: <Chameleon.1003336440.Anthony@PID038>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=ISO-8859-1

"...All this conversation about "no power" and wind up radios has made me wonder if anyone has yet invented a gas powered radio. OK I know about radios powered by petrol/diesel generators. I was just wondering of something a little more ingenious e.g. compressed gas or burning methane/propane."

In the early '70's one of the popular genre of "appropriate technology" books described a thermoelectric generator with enough output to run a radio receiver. It was apparently intended for use in Africa where batteries are

scarce and expensive but there is a lot of dung. The device was essentially a thermopile - a series stack of thermocouples. It was made out of a tin can with some holes in the bottom. Burning dung was placed in the bottom. The top section of the can housed the hot junctions of several hundred thermocouples made by twisting common dissimilar-metal wires together. Hot gases from the burning dung
would heat these. There was a cold junction for each of the hot junctions, and these radiated from the top of the can giving it a hairy appearance. I didn't try building one.

Thermoelectric generators are available commercially, though I think they use a semiconductor effect rather than thermocouples. They find use in remote sites where
small amounts of power are needed for long periods of time. Fuels are usually gases
stored in tanks. There is also some interesting information on the web about free-piston
Stirling engines for use in space.

There is a very healthy hobby of home machining, in which one of the most popular types
of projects is the building of small steam engines (as well as Stirling and internal combustion
engines.) I am surprised that we haven't heard from hams who are also machinists who may have done the obvious combination.

73, WN6Q

Anthony Felino, Pacific Information Design
email: anthony@pacinfosb.com
telephone: (805) 730 1565, x25

Date: 17 Oct 2001 12:51:05 -0500
From: w2xn@netzero.net
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [108939] For Sale
Message-ID: <200110171650.f9HGo95N020894@rain.CC.Lehigh.EDU>

FOR SALE

*** THE DSW-20 HAS BEEN SOLD ***

*** OHR-100A STILL AVAILABLE ***

Cleaning shack and need to make room for new rig:

Small Wonder Labs DSW-20 $130.00 (plus shipping)
(one of the last production models)
Cosmetically & operationally perfect

Oak Hills Research OHR-100A $175.00 (plus shipping)
Cosmetically perfect, slight drift on transmit
Upgrades: Mouser 10-turn tuning pot &
Wilderness Radio KC1 Keyer/Frequency Counter

Both rigs include construction and operating manuals.

w2xn@arrl.net

_____
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---
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Date: Wed, 17 Oct 2001 17:22:37
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [108940] MP-1 tripod and wind
Message-ID: <F25MDrxxnSYe4nhrKtz0000c201@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

It was quite windy here in NE OH yesterday so I set up my MP-1 on its little tripod to see what would happen. Local radio and tv said winds got up to 30 to 50 MPH in the area, but I have not idea of what they exactly were in my yard, but in my town there were many dead trees downed by the winds along with a lot of twig debris all over. I had the coil cover up almost all the way at the 40 M position to give the most wind resistance. When I put it up I saw no initial instability at all. When I looked somewhere between half an hour and an hour later it was still standing as I had left it. Several hours later I did find the antenna had fallen over, but there was no damage. I was using the collapsible whip with it, fully extended. No feeline was attached. My conclusion: it is quite stable, but in very high wind conditions it may be helpful to put some weight on the tripod legs (rocks, packs, logs etc) or be prepared to set it back up occasionally. I would probably want my tent

staked down in the high winds it takes to knock over the antenna. Some of the small aluminum rod stakes I use with my backpacking tent could easily be used to provide a little additional stability for the antenna with minimal environmental impact or weight.

73/72 - Mike WA8BXN

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp

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Date: Wed, 17 Oct 2001 13:33:25 -0400
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: neqrp@jonal.net, qrp-l@Lehigh.EDU
Subject: [108941] RE: Results last night New England QRP SSB NET
Message-ID: <OFF57EAB38.014687F9-ON85256AE8.00604CF5@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Ed is a regular checkin for the NEQRP SSB NET when conditions allow.
This is great info for the people who checked in last night. See below
PS- NOTICE NET CONTROL(N1ZSW) WAS S2!!!!!
---------- Forwarded by Ronald A Pfeiffer/RES/Raytheon/US on 10/17/2001 01:33 PM ----------

"Kwik, Ed " <ed.kwik@delphiauto.com> on 10/17/2001 01:05:24 PM

To: "'Ronald_A_Pfeiffer@raytheon.com'" <Ronald_A_Pfeiffer@raytheon.com>
cc:
Subject: RE: Results last night New England QRP SSB NET

Ron,
The SSB on my old Triton IV is not working. Not sure what it is and might just go without SSB until is can afford the SSB module for my K2 maybe by Dayton. So I will not be checking in unless I can borrow a SSB rig. Below is my SWL report.

-----Original Message-----
From: Ronald A Pfeiffer [mailto:Ronald_A_Pfeiffer@raytheon.com]
Sent: Wednesday, October 17, 2001 10:52 AM
To: Low Power Amateur Radio Discussion
Subject: Results last night New England QRP SSB NET

The band was great last night with 10 checkins.
Last nights checkins:

WA1OHR too early for me
K1CWZ S7
AA1MY S3
K1SWL S5
KC1FB S3
W1XV   S5
KE4IZH S5
AL0A   QRT
WB2EWU QRT
K1RC   QRT
N1ZSW S2

Date: Wed, 17 Oct 2001 13:23:16 -0400
From: Donald E Sanders <w4bws@juno.com>
To: w2xn@netzero.net
Cc: qrp-l@Lehigh.EDU
Subject: [108942] OT: Altoids on sale
Message-ID: <20011017.132331.-393355.0.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Note to all those that are ALtoids deprived.
Note from JUNO says that WEBRX.com has
Altoids on sale for $1.13 each, regular $1.69.
Don W4BWS

Date: Wed, 17 Oct 2001 11:57:25 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [108943] 144 MHz QRP SSB
Message-ID: <Pine.LNX.4.33.0110171151500.8323-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was talking with Dan K5WXN while he was at work. He is not very

busy now because the Army is re-organizing big-time now. Anyhow I mentioned my Yaseu FT-817 could work 2 meter SSB and he said I have a Icom 706 in the truck and a 40 meter Hustler antenna that loads up real well on 2 meters.

So Dan went out to his truck and we chatted on 2 meters for awhile. Decided to try it while he drives home this evening. We might do ok but not sure. Amazing how much better SSB is over FM.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
http://www.qsl.net/k5di/

Date: Wed, 17 Oct 2001 16:34:06 EDT
From: KF4YYD@aol.com
To: qrp-l@lehigh.edu
Subject: [108944] ZM-2 Construction
Message-ID: <131.327d72a.28ff453e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi,
Just a quick question about the ZM-2 ATU. After several month's of procrastination I finally have mine ready for completion. In punishment for not finishing this project on time it seems that I have misplaced forever both of the supplied front panel decals, can anyone tell me what the verbage is on switch #2 (SPDT)? It is located to the right and slightly below the black balanced input jack. From my reading of the schematic it would appear that this switch selects between balanced input and unbalanced.

Thanks in advance,

73 de Tom kf4yyd
Fredericksburg, VA

Date: Wed, 17 Oct 2001 16:00:20 -0500
From: Monty N5FC <n5fc@io.com>
To: qrp-l@Lehigh.edu
Subject: [108945] The Club Sandwich Project
Message-ID: <5.1.0.14.1.20011017155238.00a7d390@mail.io.com>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hey All!

Like Altoids-sized projects? Want to extend that to a club-sized project?

Our local club is in the process to ramping up to just such a project: the
"Club Sandwich".

Maybe your club would enjoy a Club Sandwich of their own... the following
web page explains the concept, shows an example, and might provide a
"chopping block" for getting your own club project started.

http://www.io.com/~n5fc/club_sandwich.htm

Enjoy, and discuss it with your own club members!

72/73,
monty N5FC

Monty Northrup, N5FC
Austin, Texas
e-mail: n5fc@io.com
web page (ham radio): http://www.io.com/~n5fc
web page (home): http://www.io.com/~maddog

Date: Wed, 17 Oct 2001 17:10:57 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: hubby2k@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [108946] Re: MP-1 tripod and wind
Message-ID: <3BCDF3E1.8C2F5D0E@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Professional photographers use small sand bags to stabilize their
tripods and light stands in high wind. These can be bought at any large
professional photo store, or can be made be sewing a couple of heavy
bags together so they have an unfilled section in the middle. They will
add a few mph to your wind stability conditions and could be carried
into the field empty and filled with a small shovel!

73

Date: Wed, 17 Oct 2001 14:33:13 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@Lehigh.EDU>
Subject: [108947] One Page Article Issue for QRPp Responses
Message-ID: <007501c15753$564be100$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, the articles are starting to come in. Dave Fifield has one coming, Richard Brummer, Mike Gipe, Tony Fishpool, Graham Firth, JayBob Bromley, Doug Hendricks, George Heron, Bill Jones and David Chesney. You don't have to send the article today, just send me a message that you will do one to get a spot reserved on the list. I figure that we should shoot for 72 articles, since 72 is a magic number to all true qrpers, grin. That means we have space for 62 more guys. 72, Doug

----

Date: Wed, 17 Oct 2001 17:39:57 -0400
From: Royce Simmons <w2rbn@prodigy.net>
To: qrp-l@Lehigh.EDU
Subject: [108948] IC Pinouts
Message-ID: <3BCDFAAC.CA68CBA8@prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All,

Is there a site showing the pinouts for the 74xxxxx series of IC's?

Sure would appreciate the URL if there s one.

Thanks, Royce

--
Royce Simmons
Zone 5

Date: Wed, 17 Oct 2001 17:13:16 -0500
From: "Scott Fike" <kc0bus@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [108949] St. Louis Vertical coil wanted
Message-ID: <F198VHsuweG83zS5BJo0001c56e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi all,

I was wondering if anyone had the complete coil assembly for the St. Louis Vertical antenna availible for sale in either the 40m version or for the 80m version that W6MMA (I think) made availible about a year or so ago. I already have the South Bend SD-20 fishing pole and just need the pre-made coil assembly to finish the St. Louis vertical antenna.

Many thanks.

73
Scott,KC0BUS

____
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Date: Wed, 17 Oct 2001 17:26:05 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [108950] Wanted: Small Paddle
Message-ID: <072001c1575a$b6bd0a80$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello everyone. Well, I've been having very good luck finding everything I've asked for so far... so here goes another one. This time.. it might be a bit of a challenge.

I'm looking for a Norcal K8FF paddle kit.

Thousands were shipped so there must be at least one sitting on a shelf somwhere unbuilt. I will also consider one that has been built. Also, I will consider a Vibroblex Code Warrior Jr. if the price is right.

Please let me know...

72 / 73 de Brice KA8MAV
Indianapolis, IN EM79au
QRPp-I #1, QRP ARCI #10972, QRP-L #2360,
KLQRP, FPQRP -156, ARS, ARRL

QRPp International - and "Tiny Tornado" Kits
http://www.QRPp-I.com

End of QRP-L Digest 2345
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